Media centre barebones PC for HD screens

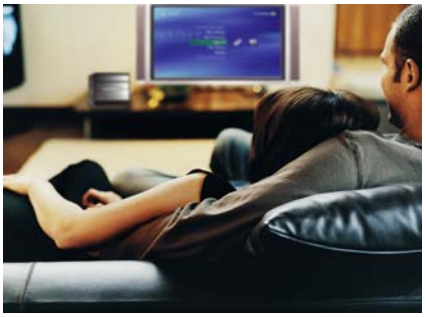
XPC Barebone SG33G5M

D'VO Digital Visualize Opera

Curtains up for the Shuttle XPC Barebone SG33G5M. Its versatile front display provides various information on the Windows Media Center status. Being ready for the latest Intel processors such as Core 2 Duo and Core 2 Quad, the Shuttle XPC Barebone SG33G5M is designed to take a maximum capacity of up to 4GB of DDR2-800 memory. The Intel GMA 3100 graphics engine delivers crisp and crystal clear images through HDMI output with HDCP for HD screens. Dolby Digital Live! and DTS Connect bring the ultimate sound experience to home environments and make the Shuttle XPC Barebone SG33G5M ideal for realistic 3D games and thrilling films while it transfers data with its high-speed Gigabit-LAN interface. Windows Vista is optimally supported.

Feature Highlight

G5M chassis	• Black mirror front face with golden accent, black aluminum chassis • Bays: 1x 5.25“, 2x 3.5“ • VFD Display & Remote Control – supports Windows Media Center
Chipset	• Intel G33 Express + ICH9DH • Integrated GMA 3100 graphics • HDMI+VGA connectors, DVI adapter Supports Dual Monitor Operating
CPU	• Socket 775 • Core 2 Duo E6xxx / E4xxx, Pentium Dual-Core 2xxx and Celeron 4xx • Supports 1333, 1066 and 800MHz FSB • Shuttle I.C.E. Heatpipe-cooling
Slots	• 1x PCI-Express (x16), 1x PCI (32 Bit)
Memory	• Supports 2x DDR2-667/800 • Supports up to a total size of 4 GB
Drive connectors	• 3x SATA (internal), 2x eSATA (external) • 1x IDE ATA 100, 1x floppy
Other connectors	• 8-channel HD audio, SPDIF out Dolby Digital Live! / DTS connect • 2x Firewire, GigaBit LAN • USB 2.0 (2x front, 4x rear, 4x onb.)
Power supply	• Efficient 250 Watt mini power supply
Application	• Media Center



Prduct ID: SG33G5M
Order No: PC-SG33G5M
UPC (see bar code)

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dts Connect DOLBY DIGITAL LIVE HDMI

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Shuttle XPC Barebone SG33G5M – Special Product Features

Experience true-to-life entertainment

With Shuttle D'VO, your living room becomes an entire home theater! The Versatile Front-panel Display (VFD) a unique feature of the Shuttle D'VO series will display the title of the multimedia contents currently being played and also other helpful system status. Shuttle D'VO simply and naturally fit in living room with fashion champagne gold strap crosses by black box panel, presenting elegant quality and low-profile luxury at home.

Intel® G33 Express Chipset with HDMI

Experience true-to-life video quality from the latest Intel® G33 Express chipset with HDMI and HDCP support. Featuring the Intel® Graphics Media Accelerator 3100 with Intel® Clear Video technology for enhanced high-definition video playback and sharper image quality. You can even connect a second display to the analog Sub-D output at the same time.

Finest cinematic surround sound experience

What would a home theater be without booming, immersive 7.1 channel surround sound? Experience state-of-the-art sound quality provided by Dolby® Digital Live and DTS® Connect functionality.

Supports 1333 MHz FSB and new upcoming 45nm processors

This Shuttle product supports the Intel® Core™2 Duo and Intel® Core™2 Quad processors with up to 1333 MHz front side bus and even the new upcoming 45nm Core™2 Multi-core processors. Multi core brings multi power!

User Friendly Dynamic OverClock feature*)

The user can easily overclock the system through the bios from 3%,5%,7%,10%,15%, to 20%.

New Era of All-Solid Capacitor Shuttle Mainboards

By using all-solid capacitors Shuttle mainboards provide industry leading stability, reliability and longevity for PC gaming and entertainment systems. The average lifespan for a solid capacitor is more than six times greater than the more common and less expensive electrolytic capacitors.

Supports Windows Vista Premium

Breathtaking Windows Aero™ 3D visual interface and a host of groundbreaking new features, Windows® Vista™ Premium promises to deliver a streamlined computing experience designed to fundamentally change how users view, find and organize their digital information.

***) Overclocking Warning:**
Please note there is a certain risk involved with overclocking, including adjusting the setting in the BIOS or using third-party overclocking tools. Overclocking may affect your system stability or even cause damage of the components and devices of your system. It is done at your own risk and expense. Shuttle cannot be held responsible for possible damage caused by overclocking.

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Shuttle XPC Barebone SG33G5M Specifications

Chassis	G5M-type aluminum chassis (black) Mirror front face with golden accent Integrated VFD Media Display (Versatile front-panel display) Storage bays: 1 x 5.25", 2 x 3.5" (1 internal) Dimensions: 31 x 20 x 18.5 cm (LWH), Weight: 3.3 kg net / 4.6 kg gross
VFD Display *Remote Control*	Versatile Front-panel Display (VFD) shows helpful information like Date and time, CD track and title, TV channel, DVD title and progress and more Integrated receiver for remote control Shuttle multimedia remote control Compatible with Windows Media Center (Vista or MCE 2005)
Mainboard	Shuttle FG33, Shuttle form factor, Dimensions: 25.4 x 18.5 cm proprietary mainboard design for Shuttle XPC Barebone SG33G5M Chipset: Intel G33 Express (Bearlake-G) + ICH9DH Solid Capacitors for excellent heat resistance for enhanced system durability Color slots/connectors design (Power switch, USB, PCIe, PCI)
Power Supply	250 Watt mini power supply unit Input voltage range: 100~240V Connectors: 20-pin ATX, 4-pin ATX12V Dimensions: 190 (L) x 82 (W) x 43 (H) mm EMI certified: FCC, CE, CCC ; Safety certified: TÜV, UL, CB, CCC, CSA, NEMKO Active PFC (Power Factor Correction), Power plug region specific
Processor Support	Socket 775 supports Single/Dual/Quad Core processors from Intel with Core technology (65nm) and 800, 1066 or 1333MHz front side bus: Core 2 Quad Q6xxx, Core 2 Duo E6xxx / E4xxx, Pentium Dual-Core 2xxx and Celeron D 4xx series. Designed for the upcoming Intel 45nm Core 2 multi-core processors. Supports Pentium 4/D processors at 800MHz FSB. Processors with 533MHz FSB are not supported. Please refer the support list for detailed processor support information.
*Over-clocking *)*	Overclocking settings: CPU frequency, CPU voltage, RAM frequency, RAM voltage Dynamic Overclock feature: Easily overclock from 3/5/7/10/15/20% through the BIOS.Processor cooling
Processor Cooling	Shuttle I.C.E. 2 (Integrated Cooling Engine) advanced I.C.E. 2 Heatpipe technology, linear controlled 92mm fan SilentX cooling and noise reduction technology with Active Airflow

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Memory Support	2x 240 pin slots, supports Dual Channel supports DDR2-667/800 SDRAM memory (up to DDR2-1066 in overclocking mode*) up to a total size of 4 GB, max. 2 GB per DIMM
Expansion Slots	1x PCI-Express (16X) supports 8 GB/s data transfer 1x PCI (32 bit)
Integrated Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) Full Windows Vista Aero experience Intel Clear Video Technology Hardware acceleration for MPEG2 and VC1 content DirectX 9.0 support, Shader 2.0 Dynamic Video Memory Technology (DVMT) 3.0 Shared Memory size up to 384MB HDMI connector (High Definition Multimedia Interface) supports HDCP (High-bandwith Digital Content Protection) transmits SPDIF digital audio signals DVI adapter included VGA connector for analog displays Dual monitor operating possible (1x digital over HDMI/DVI plus 1x analog over Sub-D)
8-channel Audio DD/DTS	7.1 channel High Definition Audio, Realtek ALC888DD codec Supports Dolby® Digital Live! and DTS™ Connect (Digital Theater Systems) Analog: line-out (8-ch), line-in, microphone Digital: optical S/PDIF output (digital audio), optional S/PDIF input
Gigabit-LAN Controller	Marvell 88E8056 Ethernet network controller (Gigabit) Supports 100 / 1.000 MBit/s operation Supports Wake-on-LAN (WOL)
Firewire-Controller	Firewire controller VIA VT6308 IEEE1394 OHCI rev 1.0 compliant with 2 Firewire connectors (front and rear) supports 400Mb/s, 200Mb/s, 100Mb/s data transfer rate
Drive connectors	3x Serial-ATA II, 3 Gbit/s (300 MB/s) bandwidth, NCQ support 2x External Serial-ATA, 3 Gbit/s (eSATA) 1x IDE ATA 100 drives 1x floppy disk drive
Front panel connectors	Microphone Headphone (Line-out) 2x USB 2.0 Firewire (Mini 4 pin connector) Power button Reset button Power indicator (blue LED) HDD indicator (orange LED)

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Back panel connectors	HDMI (DVI adapter included) D-sub VGA (analog) 4x USB 2.0 GigaBit LAN (RJ45) IEEE1394 Firewire (6 pin) 2x External Serial ATA port (eSATA) Optical S/PDIF output (Digital Audio) 8-ch Audio line-out (2x rear/front, bass/center, surround/back) Audio Line-in CMOS button optional Wireless LAN module (PN18) optional parallel port (PC8)
Other connectors	2x fan connectors (4 pin) 4x USB 2.0 (two sets with 2x5 pins)
Accessories	Remote Control (compatible with Windows Media Center) Multi-language user guide, Driver CDROMs (Windows Vista, Windows XP 32/64 bit) I.C.E. heat-pipe module, Cable for FDD, Serial ATA (1x), Parallel ATA (1x) Power cord, Screws, Heatsink Compound

Which components are required?
Please add the following components to the Shuttle XPC Barebone SG33G5M in order to build a fully configured media centre PC:

- Operating System:
  - Windows Vista Home Premium or
  - Windows Vista Ultimate or
  - Windows XP MCE 2005 (+ DVD Decoder Software)
- Processor: e.g. Intel Core 2 Duo 6xxx-series
- Memory: e.g. 2x 1GB DDR2-667
- S-ATA hard disk: e.g. 320 GB
- USB keyboard and USB mouse

Other recommended components:

- Optical drive: e.g. dual format DVD writer
- PCI TV cards: e.g. analog, DVB-T (single/dual) or hybrid (combined)
- Multi-format card reader for the 3.5" bay
- Active PC speaker or optical SPDIF connector to digital surround amplifier

Optional enhancements:

- PCI-Express graphics card (you can not use onboard HDMI and VGA connectors at the same time)
- Wireless LAN module (PN18G)

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